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| | | | | Application Number | 10/775,288 |
| | | | | Filing Date | February 2, 2005 |
| | | | | First Named Inventor | Shiego Ted Oyama |
| | | | | Group Art Unit | 1723 |
| | | | | Examiner Name | Not Yet Assigned |
| Sheet | 1 | of | 1 | Attorney Docket Number | 1856-43000 |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|--------------------------|--|--------------------------------|--|---|
| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number-Kind Code ² (if known) | | | |
| RAH | | US 6,527,833 | 03-04-2003 | Oyama, et al. | |

NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate) title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
|-----------------------|--------------------------|---|----------------|
| RAH | | G. J. HWANG ET AL.; "Hydrogen separation in H ₂ -H ₂ O-HI gaseous mixture using the silica membrane prepared by chemical vapor deposition"; Journal of Membrane Science, Vol. 162 (1999); pp. 83-90. | |
| | | R. J. R. UHLHORN ET AL.; "Synthesis of ceramic membranes"; Journal of Materials Science, Vol. 27, No. 2 (1992); pp. 527-537. | |
| | | V. V. NAZAROV ET AL.; "Synthesis and Colloid-Chemical Properties of Boehmite Hyrosols"; Colloid Journal, Vol. 60, No. 6 (1998); pp. 738-747. | |
| | | A. LARBOT ET AL.; "Alumina Nanofiltration Membrane From Sol-Gel Process"; Key Engineering Materials, Vols. 61 & 62 (1991); pp. 395-398. | |
| | | C. LIJZENG ET AL.; "Zirconia-Coated Gamma-Alumina Membrane Toplayers"; Key Engineering Materials, Vols. 61 & 62 (1991); pp. 383-386. | |
| | | R. I. ZAKHARCHENYA; "Influence of Peptization on the Properties of Alumina Produced From Boehmite Sols"; Journal of Sol-Gel Science and Technology, Vol. 6 (1996); pp. 179-186. | |
| | | B. E. YOLDAS; "Alumina Sol Preparation From Alkoxides"; Ceramic Bulletin, Vol. 54, No. 3 (1975); pp. 289-290. | |
| | | X. CHANGRONG ET AL.; "Boehmite sol properties and preparation of two-layer alumina membrane by a sol-gel process"; Journal of Membrane Science, Vol. 116 (1996); pp. 9-16. | |
| RAH | | J. S. MASARYK ET AL.; "Diffusivity of helium in fused silica"; The Journal of Chemical Physics, Vol. 59, No. 3 (1973); pp. 1198-1202. | |

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|-----------------------|--|---------------------|--------|
| Examiner Signature | | Dated Considered | 3-7-06 |
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